

Title (en)
METHOD FOR ACCELERATED DEGRADATION OF THERMOPLASTICS

Title (de)
VERFAHREN ZUM BESCHLEUNIGTEN ABBAU VON THERMOPLASTEN

Title (fr)
PROCÉDÉ DE DÉGRADATION ACCÉLÉRÉE DE MATIÈRES THERMOPLASTIQUES

Publication
EP 3097409 A1 20161130 (EN)

Application
EP 14703232 A 20140123

Priority
US 2014012701 W 20140123

Abstract (en)
[origin: WO2015112143A1] A method of determining degradation of a thermoplastic when exposed to light and heat includes illuminating the thermoplastic with a desired wavelength of light at a desired irradiance while maintaining the ambient air surrounding the thermoplastic at a desired temperature. The method is useful to measure the discoloration rate of transparent, translucent and opaque thermoplastics such as polycarbonates, the discoloration rate being determined by transmission or reflectance spectra of transmitted or reflected white light through or from the thermoplastic.

IPC 8 full level
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CPC (source: EP KR)
C08L 67/03 (2013.01 - KR); **C08L 69/00** (2013.01 - KR); **G01N 17/004** (2013.01 - EP KR); **G01N 33/442** (2013.01 - EP KR)

Citation (search report)
See references of WO 2015112143A1

Citation (examination)
WO 2013109050 A1 20130725 - KOREA RES INST CHEM TECH [KR]

Designated contracting state (EPC)
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Designated extension state (EPC)
BA ME

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DOCDB simple family (application)
US 2014012701 W 20140123; CN 201480072507 A 20140123; EP 14703232 A 20140123; KR 20167018392 A 20140123